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IPC Equip Supply

15 Feb 70

OCS Hardware/Software Planning
with regard to File Handling Applications
and Interactive Services

1. The following functional tasking will be assigned to OCS computer systems as soon as practicable:

a. 360/65-1 and 360/65-2. Continue with present tasking: standard batch service, including most non-interactive teleprocessing (ANDI, RJE, 9300's). No major changes in hardware/software configuration are planned for these systems within the next nine months. The 2250 display will also be attached to one of these systems. (Note: the plans for a remote 2250/1130 have been deferred. The 2250 will be placed in the Computer Center.)

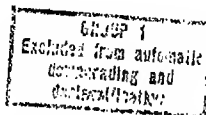
Technical problems
hardware/software
modifications necessary
to make it work

b. 360/67. Provide support to all interactive service requirements with the exception of major terminal-oriented file handling applications and services. The principal thrust of the 360/67 support will be toward single-user applications (e.g., computational support, program development, and small personal files). CP/CMS software will continue in use. Performance and reliability problems will be given priority attention. Near-term budgetted hardware upgrading includes an additional drum in April 1970 and 250K additional core in June 1970 (for a total of 750K).

c. 360/65-3. Principal tasking will be multiple-terminal file handling applications and services. Major applications here are SANCA, SPECLE, OBERON, QUIKTRAK, and FMSACID. TORQUE II will be available on this system. Terminals and associated control units for these applications will be attached to the 360/65-3 (some may be switchable to the 360/67). Initially TSMON will be used, but an intensive search will be undertaken to find an operating system appropriate to interactive file handling applications (hopefully an OS/360 derivative). 250K core will be added to this system in June 1970, for a total of 750K.

may take more
core to support
Quiktrak

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2. Implications:

a. This plan represents a fundamental change in OCS use of IBM systems: tasking of systems by functional capability. As a corollary, the CDC systems now being evaluated will be judged not on replacement possibilities, but on their ability to provide additional functional capabilities to the OCS Center.

b. COINS. No significant change to the various methods now being studied for providing full-time service. However, if limited 3-hour service continues, COINS would be put on 360/65-3, affecting only the scheduling of file applications on that system and freeing the 360/67 for full-time internal CIA use.

c. 360/65-3 is now being used during prime shift in a "block time" mode, principally by OCS Technical Staff and FMSAC/TAD. Other arrangements for this service will be made.

d. Security restrictions prohibit processing B material on computer systems with terminals attached. All B processing would be performed on 65-1 or 65-2. Except for this restriction, normal batch work could be performed on the 65-3 concurrently with the file applications (assuming the chosen operating system is compatible), but file handling will be given priority.

e. OCS efforts in file handling cross divisional/staff lines. A project will be established to develop the integrated capability desired here.

f. Terminal Switching. Two situations arise: (a) A given terminal supports a group of users, some who will use the file facilities on the 65-3, others who will want to use the 67 services. (b) A given user wants to use services available on both systems to message data in his file (e.g., retrieve/maintain on the 65-3, do data reduction on the 67). The latter case will be very difficult to handle, at least for a year or so. The former requirement can be handled in the near term with manual terminal switching, perhaps a few times a day.

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<p>For the IP Board Meeting on 25 February 1970.</p> <p style="text-align: center;"><i>file</i></p>			
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